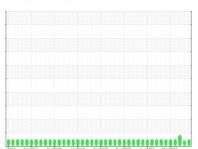


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



10509C AUTOCAR ISL

Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (28 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

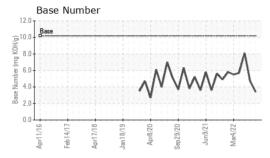
Fluid Condition

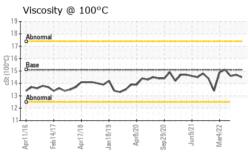
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

(28 Q15) c2016 Feb2017 App2018 Jan2019 App2020 Sup2020 Jun2021 Mar2022							
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0056741	GFL0087108	GFL0052273	
Sample Date		Client Info		20 Sep 2023	06 Jul 2023	26 Jul 2022	
Machine Age	hrs	Client Info		22292	610	19686	
Oil Age	hrs	Client Info		2482	0	96	
Oil Changed		Client Info		Changed	N/A	Not Changd	
Sample Status				NORMAL	ABNORMAL	ABNORMAL	
WEAR METAL	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	34	26	13	
Chromium	ppm	ASTM D5185m	>4	7	4	3	
Nickel	ppm	ASTM D5185m	>2	<1	<1	0	
Titanium	ppm	ASTM D5185m		<1	<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	<1	
Aluminum	ppm	ASTM D5185m	>9	4	8	3	
Lead	ppm	ASTM D5185m	>30	5	2	<1	
Copper	ppm	ASTM D5185m	>35	27	24	<u>^</u> 71	
Tin	ppm	ASTM D5185m	>4	1	<1	<1	
Vanadium	ppm	ASTM D5185m		0	<1	0	
Cadmium	ppm	ASTM D5185m		0	<1	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	50	5	3	24	
Barium	ppm	ASTM D5185m	5	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	58	51	46	
Manganese	ppm	ASTM D5185m	0	2	1	<1	
Magnesium	ppm	ASTM D5185m	560	616	509	510	
Calcium	ppm	ASTM D5185m	1510	1773	1610	1494	
Phosphorus	ppm	ASTM D5185m	780	738	598	706	
Zinc	ppm	ASTM D5185m	870	1002	890	885	
Sulfur	ppm	ASTM D5185m	2040	2795	2609	2585	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>+100	27	33	6	
Sodium	ppm	ASTM D5185m		12	7	4	
Potassium	ppm	ASTM D5185m	>20	7	6	3	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844		0	0.1	0	
Nitration	Abs/cm	*ASTM D7624	>20	13.4	11.5	8.8	
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.9	23.6	21.1	
FLUID DEGRA	OITAC	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.2	19.5	17.7	



OIL ANALYSIS REPORT

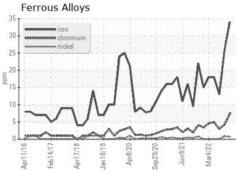


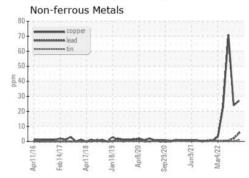


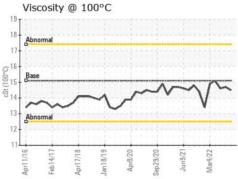
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

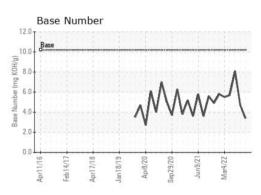
FLUID PROP	EKIIES	method	ilmit/base		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	14.7	14.6

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** Test Package : FLEET

: GFL0056741

: 05957512 : 10658725

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Sep 2023 Diagnosed : 22 Sep 2023

Diagnostician : Wes Davis

GFL Environmental - 001 - Raleigh(CNG)

3741 Conquest Drive Garner, NC US 27529

Contact: Craig Johnson craig.johnson@gflenv.com

T: (919)662-7100 F: (919)662-7130

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: GFL001 [WUSCAR] 05957512 (Generated: 09/30/2023 23:52:11) Rev: 1